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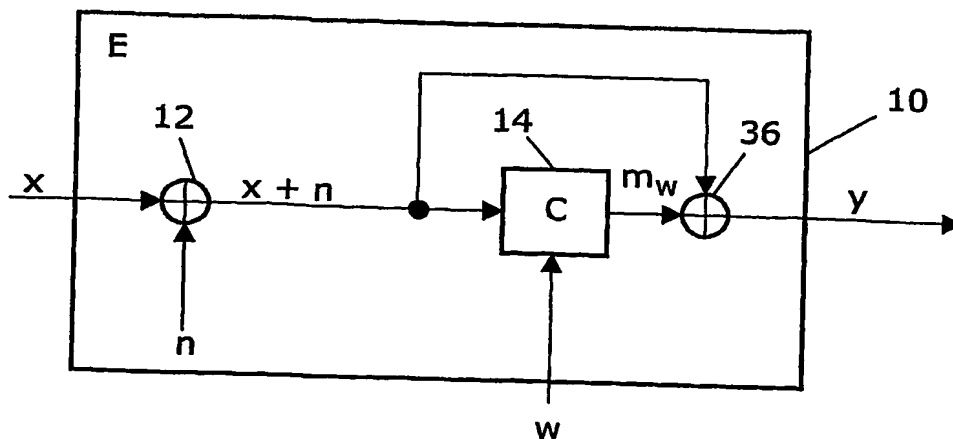
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(54) Title: RAISING DETECTABILITY OF ADDITIONAL DATA IN A MEDIA SIGNAL HAVING FEW FREQUENCY COMPONENTS



(57) Abstract: The present invention relates to a methods, devices, a media signal as well as an information storage medium related to embedding additional data in a media signal. A first adding unit (12) mixes the media signal (x) with a noise signal (n) in order to provide a modified media signal ($x + n$), and a combiner unit (14) combines additional data (w) with the modified media signal ($x + n$) through multiplying the modified media signal with the additional data in order to provide a host modifying media signal (m_w). In this way the additional data can be detected with a higher certainty in an output signal (y) if the media signal (x) includes few frequency components.



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